

## **ABSTRACT**

### **Introduction**

In orthodontic diagnosis and treatment planning a valid evaluation of an antero-posterior jaw relationship is vitally important. To assess the antero-posterior jaw discrepancy between the maxilla and the mandible, various angular and linear measurements have been suggested so as to reach an accurate diagnosis.

### **Aim**

To compare ANB angle, Beta angle used to measure sagittal dysplasia and to find out which is the most reliable amongst them.

### **Materials and methods**

Sample comprised of 400 pre-treatment lateral Cephalograms. The variables calculated were SNA Angle, SNB Angle, ANB Angle and the Beta Angle

### **Results**

ANOVA test, Pearson correlation and few other statistical tests were performed and the differences, associations and correlations were found between ANB Angle and Beta Angle in all the subjects

### **Conclusion**

It is safe to conclude that similar to the ANB angle, the Beta angle is also a significant angle to assess the sagittal jaw relationship between maxilla and mandible.

**Key Words-** Antero-Posterior Discrepancy, Beta Angle, ANB Angle.